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PAR will close for the holidays at 2 p.m. on Thursday, December 23, and will reopen at 8 a.m. on Monday, December 27, 2010. All orders received during this time will be processed promptly on December 27, 2010.

PAR also will close in celebration of the New Year at 2 p.m. on Thursday, December 30, 2010, and will reopen at 8 a.m. on Monday, January 3, 2011. All orders received during this time will be processed promptly on January 3, 2011.



Several new features have been added to the WRAT4, including an entirely new measure of reading achievement—Sentence Comprehension—to enhance the scope of the content assessed and to meet the need for a measure of reading ability.

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Wide Range Achievement Test 4 (WRAT4)

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Purpose: Measure the basic academic skills of reading, spelling, and math computation

Age Range: 5 to 94 years

Admin: Individual; specific subtests can be administered to groups

Time: Approximately 15-25 minutes for individuals ages 5-7 years; approximately 35-45 minutes for individuals ages 8 years and older

Qualifications: [B](#)

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The WRAT4 is the latest offering in a test series first published in 1946. The various editions of the Wide Range Achievement Test have enjoyed widespread use in a variety of settings as a measure of the basic academic skills necessary for effective learning, communication, and thinking: reading and spelling words and performing basic mathematical calculations. The WRAT4 continues to measure these basic content areas and preserves those features that made the WRAT3 and earlier editions so popular with users—ease of administration and scoring and the provision of a significant amount of information gained through a relatively brief investment of testing time.

Several new features have been added to the WRAT4. In addition to updated norms, the WRAT4 contains an entirely new measure of reading achievement—Sentence Comprehension—added to enhance the scope of the content measured and to meet a need often expressed by users of previous editions for a measure of reading comprehension.

The interpretation of WRAT4 scores has been enhanced by the addition of grade-based norms, thereby increasing the usefulness of the test in Grades K-12. The age-based norms also have been extended from 75 years in the third edition to 94 years so that the basic literacy skills of older adults can be assessed.

Description of the WRAT4

The WRAT4 is a norm-referenced test that measures the basic academic skills of word reading, sentence comprehension, spelling, and math computation. It was standardized on a representative national sample of over 3,000 individuals ranging in age from 5 to 94 years. The normative sample was selected according to a stratified national sampling procedure with proportionate allocation controlled for age, gender, ethnicity, geographic region, and parental/obtained education as an index of socioeconomic status. Alternate forms, designated the Blue Form and the Green Form, were developed and equated during standardization by use of a common-person research design. Derived scores were developed for both age- and grade-referenced groups. Standard scores, percentile ranks, stanines, normal curve equivalents, grade equivalents, and Rasch ability scaled scores are provided.

The Blue Form and the Green Form can be used interchangeably with comparable results, permitting retesting within short periods of time without the potential practice effects that may occur from repeating the same items. The alternate forms also can be administered together (i.e., Combined Form) in a single examination. For those interested in a more qualitative assessment of academic skills, the Combined Form provides an additional opportunity for performance observation.

The WRAT4 Includes Four Subtests

- Word Reading** measures letter and word decoding through letter identification and word recognition.
- Sentence Comprehension** measures an individual's ability to gain meaning from words and to comprehend ideas and information contained in sentences through the use of a modified cloze technique.
- Spelling** measures an individual's ability to encode sounds into written form through the use of a dictated spelling format containing both letters and words.
- Math Computation** measures an individual's ability to perform basic mathematics computations through counting, identifying numbers, solving simple oral problems, and calculating written mathematics problems.

In addition to providing derived scores and interpretive information for the subtests, the WRAT4 also yields a Reading Composite score, obtained by combining the Word Reading and Sentence Comprehension standard scores.

The recommended order of testing is Word Reading, Sentence Comprehension, Spelling, and Math Computation. This is the order in which the subtests were administered during standardization; however, the subtests may be administered in any order, with one exception: The Word Reading subtest should be administered before the Sentence Comprehension subtest because an individual's scores on Part 2 of the Word Reading subtest can be used as a routing test to determine the appropriate starting item on Sentence Comprehension, thereby shortening the time required. In addition, the Word Reading score also determines whether or not the Sentence

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Comprehension subtest should be administered at all.

Administration Time

Administration time varies depending upon the age, skill, and behavioral style of the individual being tested. For children ages 8 years and older and adults, the administration time is between 30 and 45 minutes. For younger children (ages 5-7 years) the administration time is between 15 and 25 minutes.

Small-Group Administration

Although the WRAT4 will most often be administered individually, some of the subtests or sections of subtests may be administered to small groups. The Spelling and Math Computation sections of the respective subtests may be administered to small groups. It is recommended that small groups be limited to no more than five participants.

Uses of the WRAT4

The WRAT4 is intended for use by those professionals who need a quick, simple, psychometrically sound assessment of important fundamental academic skills. Such measures are valuable in initial evaluations or individuals referred for learning, behavioral, or vocational difficulties. The results of the WRAT4 by themselves are not intended to provide formal identification of learning or cognitive disorders. Use of the WRAT4 results together with a broad array of comprehensive information such as additional assessment and psychometric data, background history, behavioral observations, and results of more formal assessments of behavioral functioning will assist in the identification and diagnosis of such disorders.

The ease of administration and the simplicity of the WRAT4 make it useful for assessment professionals, who can use the results to:

- Collect initial data for psychological, educational, and vocational assessments;
- Conduct time-efficient small group administration in selected math and spelling areas to identify individuals requiring a more comprehensive academic evaluation;
- Assess, in conjunction with the WRAT–Expanded, a broader range of academic skills useful in the diagnosis of specific learning disorders;
- Reevaluate individuals diagnosed with learning and/or cognitive disorders;
- Contribute to research projects needing assessment of basic academic skills for pretesting and posttesting purposes;
- Evaluate achievement-ability discrepancies to identify specific learning disabilities;
- Assess specific academic skills as part of a more comprehensive study of psychological and neuropsychological functioning;
- Determine a minimal level of proficiency needed to perform in certain educational and/or vocational settings; and
- Assess an individual's academic progress over time.

WRAT4 Materials

Professional Manual

The WRAT4 Professional Manual summarizes the information users will need to administer and interpret the WRAT4.

- Beginning with an historical overview, Chapter 1 contains a description of the revised test battery, including recommended uses of the WRAT4.
- Chapter 2 provides a description of the materials needed to administer the test, user qualifications, and the general and specific instructions needed to administer and score the WRAT4 subtests.
- Chapter 3 contains an explanation of the derived scores offered for test interpretation along with recommended interpretive guidelines.
- Chapter 4 provides the pertinent background information about the development and standardization of the WRAT4.
- Chapter 5 contains extensive technical data summarizing various aspects of reliability and validity.
- The appendices contain additional scoring information for the Sentence Comprehension and Math Computation subtests and the age-based and grade-based normative tables for the Blue, Green, and Combined forms. Conversion tables are also provided for percentile ranks, normal curve equivalents, stanines, grade equivalents, Rasch ability scaled scores, statistical significance of standard score difference tables, and prevalence of standard score difference tables.

WRAT4 Test Form

This form includes the administration instructions for the Word Reading, Spelling, and Math Computation subtests. The form is used to record and summarize the scores for each of the WRAT4 subtests. There is a separate Test Form for each of the alternate (Blue and Green) forms.

WRAT4 Response Form

This form includes spaces for responding to both sections of the Spelling and Math Computation subtests. There is a separate Response Form for each of the alternate (Blue and Green) forms.

WRAT4 Sentence Comprehension Test Form

This form contains the administration instructions, test items, spaces for recording responses, and correct and incorrect responses for the Sentence Comprehension subtest. There is a separate Sentence Comprehension Test Form for each of the alternate (Blue and Green) forms.

WRAT4 Word Reading List/Spelling List Card

This card is two-sided; one side contains the letters and words for the Word Reading subtest, which is used by the test-taker. The opposite side of the card contains the letters and words for the Spelling subtest, which are dictated by the examiner to the test-taker. There is a separate card for each of the alternate (Blue and Green) forms.

WRAT4 Sentence Comprehension Card

This card contains the 50 Sentence Comprehension items. There is a separate card for each of the alternate (Blue and Green) forms.

WRAT4 Sentence Comprehension Sample Card

This card contains sample items to be administered prior to administering the Sentence Comprehension subtest. It is used with both (Blue and Green) test forms.

Reliability

Reliability evidence for the WRAT4 is shown to be strong and includes information based on classical test reliability theory, including internal consistency, alternate-form reliability (immediate and delayed retest stability), standard error of measurement, and standard score confidence intervals, as well as IRT applications termed Rasch statistics.

Median Internal Consistency Reliability Coefficients of WRAT4 Subtests and Reading Composite for an Age-Based Sample			
Subtest/Composite	Form		
	Blue	Green	Combined
Word Reading	.92	.92	.96
Sentence Comprehension	.93	.93	.96
Reading Composite	.96	.96	.98
Spelling	.91	.90	.95
Math Computation	.89	.87	.94

Median Internal Consistency Reliability Coefficients of WRAT4 Subtests and Reading Composite for a Grade-Based Sample			
Subtest/Composite	Form		
	Blue	Green	Combined
Word Reading	.93	.92	.96
Sentence Comprehension	.93	.90	.94
Reading Composite	.96	.95	.98
Spelling	.89	.88	.92
Math Computation	.87	.83	.92

- Alternate-form immediate retest reliability coefficients ranged from .78 to .89 for an age-based sample and from .86 to .90 for a grade-based sample.
- The alternate-form delayed (approximately 30 days) retest study indicated that practice effects are quite small. Mean score differences of 0.4-2.2 were found for an age-based sample and 0.1-0.5 for a grade-based sample.

Validity

WRAT4 validity evidence is derived from the content and structure of the test battery, studies with special groups of individuals, and correlations with other widely used achievement and cognitive ability measures. The measures used for the external validity studies are listed below.

- KTEA-II Comprehensive
 - WISC® -IV
 - KTEA-II Brief
 - WASI™
 - RIAS™
 - WAIS® -III
- WIAT® -II
 - SB5
 - WJ® -III
 - WRAT-Expanded
 - KBIT
 - WRIT

Item #	Item Name and Description	List Price
WW-5776-KT	WRAT4 Introductory Kit (includes WRAT4 Professional Manual, 25 each Blue Test/Response Forms, 25 each Green Test/Response Forms, 25 Blue Sentence Comprehension Response Booklets, 25 Green Sentence Comprehension Response Booklets, Set of 2 Word Reading/Spelling Cards, Set of 3 Sentence Comprehension Cards, and 1 Place Marker in a soft-sided attaché case)	\$260.00
WW-5777-TM	WRAT4 Professional Manual	\$90.00
WW-5778-TB	WRAT4 Blue Test/Response Forms (pkg/25 ea.) (2-4 packages [price per pkg]...\$43.00) (5 or more packages [price per pkg]...\$41.00)	\$45.00
WW-5779-TB	WRAT4 Green Test/Response Forms (pkg/25 ea.) (2-4 packages [price per pkg]...\$43.00) (5 or more packages [price per pkg]...\$41.00)	\$45.00
WW-5780-RF	WRAT4 Blue Sentence Comprehension Response Booklets (pkg/25) (2-4 packages [price per pkg]...\$43.00) (5 or more packages [price per pkg]...\$41.00)	\$45.00
WW-5781-RF	WRAT4 Green Sentence Comprehension Response Booklets (pkg/25) (2-4 packages [price per pkg]...\$43.00) (5 or more packages [price per pkg]...\$41.00)	\$45.00
WW-5782-TC	WRAT4 Word Reading/Spelling Cards (set of 2)	\$12.00
WW-5783-TC	WRAT4 Sentence Comprehension Cards (set of 3 and 1 Place Marker)	\$12.00
WW-6155-CP	WRAT4/WRAT4-SP Combination Kit--CD-ROM (includes WRAT4 Introductory Kit and WRAT4-SP--CD-ROM)	\$425.00
WW-6153-CP	WRAT4/WRAT4-IR Combination Kit--CD-ROM (includes WRAT4 Introductory Kit and WRAT4-IR Software)	\$560.00

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